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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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jc903 U.S. PTO
09/870521
06/01/01

In re Application of)
Marcia M. MILLER et al.)
Serial No. Unassigned) Examiner: Unassigned
Filed: Herewith) Group Art Unit: Unassigned
For: METHOD FOR BREEDING AND GENOTYPING
CHICKENS AND PROBES THEREFOR

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Under the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant submits herewith copies of the following publications that the Office may wish to consider in examination of the subject application. The publications are also listed on the attached forms PTO-1449.

Applicants would also like to call to the Examiner's attention additional references which have been made of record during the prosecution of applications U.S. Patent Application Serial No. 09/619,758, filed July 19, 2000, U.S. Patent Application Serial No. 09/244,093, filed February 4, 1999 and U.S. Patent Application Serial No. 08/774,025, filed December 27, 1996, now U.S. Patent No. 5,944,652 and U.S. Patent Application Serial No. 08/374,219, filed January 18, 1995. Copies of the PTO

Forms 1449 submitted to the Office in these cases are enclosed herein. Copies of any of the references will be provided to the examiner upon request. These applications are owned by the same assignee and relate to similar subject matter. Applicants do not admit that any of these references constitute prior art to the present application.

Applicants are enclosing published French patent application FR 2,771,422 and the related published international patent application PCT/FR98/02501, both in the French language. Applicants currently are not aware of any available English-language translation of these documents. The disclosures related to nucleic acids for specific detection, in fowl and particularly in chickens, of *MHC* genes implicated in resistance to virally-induced tumors, and to a method and kit for genotype detection, including detection of genes in the *B* and *Rfp-Y* systems. The references disclose nucleic acids which bind the genes in Figures 1-7 of the French application which locate the regions of polymorphisms which can be detected to establish genotype. Particular disclosed primer sets are given on pages 5-7. A number of other sequences are disclosed in the drawings of PCT/FR98/02501.

The method described involves amplification of a nucleic acid sample from the animal with one or several pairs of primers which are capable of specifically hybridizing with the nucleic

acid in a polymorphic region in the *Rfp*-Y or *B* system of the MHC of the bird, followed by detection of the obtained PCR products by, for example SSOP or SSCP. The results are compared with an established reference to determine the bird's haplotype.

Respectfully submitted,

By



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Enclosures: PTO Form 1449 (8)
41 references

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